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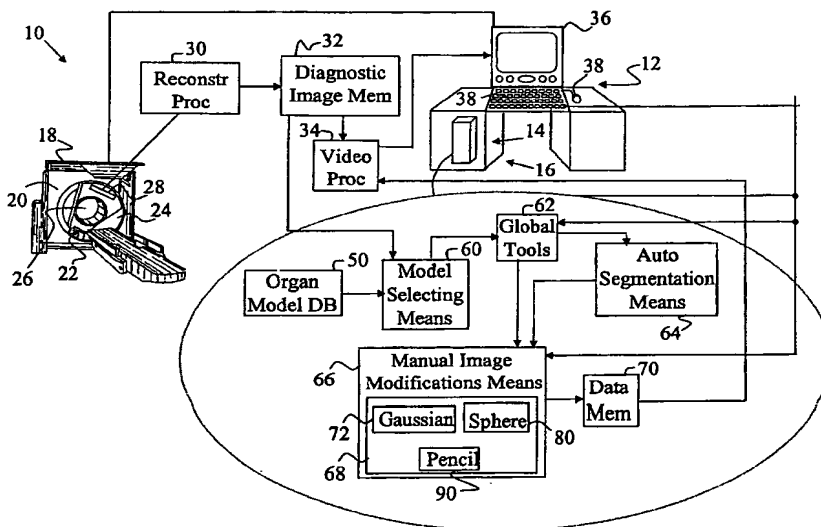
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(54) Title: MANUAL TOOLS FOR MODEL BASED IMAGE SEGMENTATION



(57) Abstract: A scanner (18) acquires images of a subject. A 3D model (52) of an organ is selected from an organ model database (50) and dropped over an image of an actual organ. A best fitting means (62) globally scales, translates and/or rotates the model (52) to best fit the actual organ represented by the image. A user uses a mouse (38) to use a set of manual tools (68) to segment and manipulate the model (52) to match the image data. The set of tools (68) includes: a Gaussian tool (72) for deforming a surface portion of the model along a Gaussian curve, a spherical push tool (80) for deforming the surface portion along a spherical surface segment, and a pencil tool (90) for manually drawing a line to which the surface portion is redefined.



SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

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